

# MA 27 / MA 27e – Quick Guide

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**NOTE:** Please see inside cover of MA 27 / MA 27e for powering the unit.

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## Sample Hearing Screening

A typical screening protocol may consist of screening each ear at a level of 20 dB<sub>HL</sub> at 500, 1000, 2000, and 4000 Hz. Results are recorded as “PASS” or “REFER”. The screening must be conducted in a quiet environment.

The following is a sample screening protocol. Please refer to your state or facility guidelines for the specific guidelines of your location.

### Step 1: Preparing the patient for a test

- Put the patient at ease.
- Instruct the patient on the test procedure:  
“I’m going to place these headphones on your ears. You will hear some beeping sounds. Raise your hand as soon as you hear the beep, even if it is very soft.”
- Have the patient sit at an angle with his/her back to the tester/audiometer, so that the patient cannot see the adjustments made on the audiometer.

### Step 2: Place the headphones on the patient

Place the headphones on the patient with the RED phone on the patient’s RIGHT ear and the BLUE phone on the patient’s LEFT ear. Make sure the headband sits snugly on the crown of the head and the earphones are centered over both ears.

### Step 3: Familiarize the patient with the test procedure

- Select **RIGHT** ear with the **F1** key.
- Select **1000 Hz** with the **FREQUENCY** Hz dial.
- Select **50 dB<sub>HL</sub>** with the **HEARING LEVEL** dB dial.  
(This level is loud enough that a normal hearing patient should hear the tone clearly in a quiet setting.)
- Press the **TONE SWITCH** 1 to 2 seconds to play the tone to the patient.
- The patient should raise their hand when the tone is played. Play the tone a 2nd time to make sure they understand the task. If not, re-instruct the patient and try again. If no response is obtained from the patient, change to the **LEFT** ear to confirm unresponsiveness.

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## Step 4: Conduct the hearing screening

- Once the patient understands the task, continue on to the screening process.
- Change the **HEARING LEVEL** to **20 dB<sub>HL</sub>**. (Remain at 1000 Hz and **RIGHT** ear).
- Present the tone with the **TONE SWITCH**.
- Record whether the patient responded by raising their hand.
- Change the **FREQUENCY** to **2000 Hz**, and play the tone (at 20 dB).
- Record if the patient responds.
- Change the **FREQUENCY** to **4000 Hz**, and play the tone (at 20 dB).
- Record if the patient responds.
- Change the **FREQUENCY** to **500 Hz**, and play the tone (at 20 dB).
- Record if the patient responds.
- Switch to the **LEFT** ear with the **F2** key (press F1 when using MA 27e).
- Repeat the process for the Left ear, playing each of the tones (500, 1000, 2000, 4000 Hz) at 20 dB<sub>HL</sub>.

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**NOTE:** When presenting tones to the patient, be sure to vary the timing of the tone presentation to prevent the patient from routinely raising their hand for an expected tone versus the actual tone presentation.

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## Step 5: Results

**PASS:** The screening is considered a PASS if the patient responds to all frequencies in both ears.

**REFER:** The patient does NOT pass the screening and should be REFERRED for further testing if

- the patient misses any of the frequencies in either ear, even if it is just one.
- OR
- cannot complete the screening process.

MAICO Diagnostics GmbH  
Sickingenstr. 70-71  
10553 Berlin  
Germany

Tel.: + 49 30 / 70 71 46-50  
Fax: + 49 30 / 70 71 46-99  
E-mail: [sales@maico.biz](mailto:sales@maico.biz)  
Internet: [www.maico.biz](http://www.maico.biz)